

TARGET DISCOVERY APP



The DepMap Target Discovery app enables users to identify potential therapeutic targets from gene dependency profiles across 987 CRISPR-Cas9 ([Project Achilles](#), [Project SCORE](#)) and 712 RNAi (Project DRIVE, Project Achilles) cell line screens.

The pilot version includes features to:

1. Compare dependency selectivity and predictive accuracy across all genes
2. Filter genes based on dependency metrics and protein annotations from CanSAR
3. Select a gene dependency and view its top predictive features, which help to understand the mechanism of dependency or identify biomarkers
4. Search for drugs in the PRISM Repurposing library that phenocopy the effect of gene inhibition

Complete genome-wide results are available for download through the tool, but it is important to note that results may reflect analysis of the previous quarterly release data. Major upgrades to the user interface are expected in early 2021